

### ABSTRACT OF THE INVENTION

A system for automated installation and maintenance of databases. One or more embodiments provide a user interface (or wizard) that obtains information from a user regarding aspects of the network environment and application data requirements. Using the information obtained from the user, a  
5 sizing process builds a database, or resizes an existing database, to efficiently match the needs of the user. An automated maintenance process self monitors, diagnoses, and fixes database problems, such as by rebuilding table keys and indexes. When the diagnostic cannot fix a problem, appropriate notification  
10 takes place. In one embodiment, the user information is processed using sizing formulas to obtain values for building the database. Database scripts and command files are generated which, when executed, build the appropriately configured database. Also, in accordance with the user information, scripts and command files may be generated that will implement a database backup process  
15 upon a user-specified schedule.